Packet-Radio Digest   Sat, 6 Feb 93   Volume 93 : Issue   34

Today's Topics:
                 7Plus format still wanted (Please)
                     AEA DSP Meteor Scatter?
                 Connecting two machines via radio
     I Robert A. Barresi would like to subscribe to your message,
        KPC3 (How much does it cost? Who makes it?) (2 msgs)
                    MFJ - ALINCO & 9600 (2 msgs)
            Need help getting Clegg FM-21 going at 9600 baud
                  packet <-> Internet gateways ?
             Packet FAQ maintainer wants _your_ help...
                        TCP nastygrams?
                   TM732a for PACSAT Ops
                   Where is PacketTracker??
                 Windows and LAN-LINK 2.0 (2 msgs)

Date: Thu, 4 Feb 1993 08:44:30 GMT
From: gondor.sdsu.edu!sol.ctr.columbia.edu!ira.uka.de!math.fu-berlin.de!
news.netmbx.de!Germany.EU.net!mcsun!sun4nl!ruuinf!jjjbokma@network.UCSD.EDU
Subject: 7Plus format still wanted (Please)
To: packet-radio@ucsd.edu

Can somebody please mail me a description of the 7Plus format (commands, how
to encode/decode) or a source (Pascal/C/Basic) file??

Please mail to: jjjbokma@cs.ruu.nl

Thanks,

John

Date: Thu, 4 Feb 1993 21:44:41 GMT
From: dog.ee.lbl.gov!hellgate.utah.edu!cs.utexas.edu!qt.cs.utexas.edu!yale.edu!
newsserver.jvnc.net!darwin.sura.net!haven.umd.edu!wam.umd.edu!
tedwards@network.UCSD.EDU
Subject: AEA DSP Meteor Scatter?
To: packet-radio@ucsd.edu

The University of Maryland Amateur Radio Assocation (W3EAX) is looking
for hams interested in trying BPSK meteor scatter packet using the
AEA-DSP 1232 master/slave packet mode. Send email to tedwards@wam.umd.edu
or packet to w3eax@wb3v.md.usa for more information.

-Thomas N3HAU member W3EAX

Date: 3 Feb 1993 12:44:07 GMT
From: usc!zaphod.mps.ohio-state.edu!saimiri.primate.wisc.edu!news.larc.nasa.gov!
arbd0.larc.nasa.gov!zawodny@network.UCSD.EDU
Subject: Connecting two machines via radio
To: packet-radio@ucsd.edu

In article <1993Feb2.133550@cs.bham.ac.uk> aqw@cs.bham.ac.uk (Andy Williams)
writes:
>I am looking for a way of connecting two machines via radio. Any help
>would be appreciated.
> ... (stuff deleted)
>Connection with other packet radio users is not required.
> ... (stuff deleted)
>What frequency/frequencies should I use? I presume I would need a HAM radio
>license, and does anyone know how to obtain one in the U.K.
>
>Thanks,
>
>Andy.

 Andy,
     If the UK rules are anything like the ones in the US, your selection of
frequencies and requirements for licensing will depend upon whether this is a
business/work related project or a fun/HAM related one. Here in the states,
any use of the amateur bands for business or work is forbidden. The user would

need to obtain another license (commercial maybe).

    There are a number of "wireless network" links being marketed these
days (They work up in the 800 or 900 MHz region). I'm sure you have already
looked into these and found them to be expensive.

--
 Joseph M. Zawodny   (KO4LW)   NASA Langley Research Center
 Internet: zawodny@arbd0.larc.nasa.gov   MS-475,   Hampton VA, 23681
 Packet: ko4lw@wb0tax.va

Date: 4 Feb 93 16:24:00 GMT
From: news-mail-gateway@ucsd.edu
Subject: I Robert A. Barresi would like to subscribe to your message,
To: packet-radio@ucsd.edu

Robert A. Barresi

Date: Thu, 4 Feb 1993 20:40:59 GMT
From: mvb.saic.com!unogate!news.service.uci.edu!usc!sdd.hp.com!ux1.cso.uiuc.edu!
news.cso.uiuc.edu!uxa.cso.uiuc.edu!btbg1194@network.UCSD.EDU
Subject: KPC3 (How much does it cost? Who makes it?)
To: packet-radio@ucsd.edu

In article <1993Feb2.074043.2888@usl.edu> cfm1471@ucs.usl.edu (Morrison Charles F)
writes:
>To the fellow ham who posted questions about the KPC3:
>I think its a great basement priced true tnc. It is a small full functioning
>tnc that has all of the Bells and Whistles of others. It has the neat
>"newuser" mode on it that will allow you to work your way through the commands
>until you get them all down pat. It does become a little tiring after a while
>because each time you put it in and take it out of kiss mode it reverts to this
>newuser mode, and it causes a minor pain to reset each time till you remember
>to switch it back before you start playin'.
>Aside from that its great. Supports KISS, WEFAX and regular VHF packet. Small
>lightweight, heavyduty const, and low pwr loss contribute to great portability.
>Hope this helps!
>BTW: The LED's can be turned off when the tnc is left on, which is great if
>you like your room pitch black at nightime, not to mention pwr conserve when you
>run it off of a 9V battery!
>

How much does the KPC3 cost, and who makes it?

KB8CNE, Brad Banko

--
Brad Banko; Dept of Physics; U of Illinois; b-banko@uiuc.edu
==
Tatiana Gutsu for President!   73 de kb8cne @ n9lnq.il

Date: Fri, 5 Feb 1993 07:04:51 GMT
From: elroy.jpl.nasa.gov!sdd.hp.com!usc!howland.reston.ans.net!bogus.sura.net!
jhunix.hcf.jhu.edu!darwin.sura.net!rouge!cfm1471@ames.arpa
Subject: KPC3 (How much does it cost? Who makes it?)
To: packet-radio@ucsd.edu

The KPC3 is made by Kantronics "RF Data Communications Specialists"
of Lawrence KS. Its a Kantronics Packet Communicator and is priced
about $120.00, available at most of the 1-800 places in all ham magazines!

Charlie
ki5xp@usl.edu

Date: 5 Feb 93 17:18:15 GMT
From: ogicse!uwm.edu!zaphod.mps.ohio-state.edu!cs.utexas.edu!tamsun.tamu.edu!
inetg1!news@network.UCSD.EDU
Subject: MFJ - ALINCO & 9600
To: packet-radio@ucsd.edu

Hello, Angelo:

I tried using an DR-1200 radio with the MFJ 1270/G3RUH combination, and
could not get
it to work. The problem was that the Alinco requires 8 volts P/P to
drive it, and the
G3RUH modem that I was using would distort that audio at anything above 3
volt P/P. I've
read several packet bulletins of other folks using buffer amps between
the modem and the
radio to pick up enough TXD audio to drive the radio for 3.0 khz
deviation.

Good luck.
John Lawson, NL7NC @ KL7AA.#NAK.AK.USA.NA
jlawson@arco.com
UO-22 - NL7NC

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Date: 4 Feb 93 23:01:00 GMT
From: twwells!pics!robert.keown@RUTGERS.EDU
Subject: MFJ - ALINCO & 9600
To: packet-radio@ucsd.edu

BR>The first problem is the deviation, the 9600 baud manual quotes that the mod
  >will produce 8 volts of audio.  Well all three of the MFJ 9600's I have, sta
  >clipping at less than half a volt!!!  That equates to 1.8 kHz of deviation..
  >any more and the waveform distorts seriously as viewed on the scope.  (Why i
  >it so different than the manual quotes??)
Bob, where do the doc's tell you to interface to on the Alinco?

Rob Keown
wa3qju
---
 . QMPro 1.01 39-1950 . Your E-Mail has been returned due to insufficient voltage

----
+--------------------------------------------------------------------------+
| Pics OnLine MultiUser System   (609)753-2540 HST    609-753-1549 (V32) |
| Massive File Collection - Over 45,000 Files OnLine - 250 Newsgroups    |
+--------------------------------------------------------------------------+

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Date: Wed,  3 Feb 93 22:47:45 PST
From: mentor.cc.purdue.edu!noose.ecn.purdue.edu!sparkyfs.erg.sri.com!
nntp1.radiomail.net!portal!cup.portal.com!jkesling@purdue.edu
Subject: Need help getting Clegg FM-21 going at 9600 baud
To: packet-radio@ucsd.edu

I told a friend I would help get him going with 9600 baud on 220.  I didn't
realize that he didn't have a schematic for the radio he wanted to use.

The radio is a Clegg FM-21, 220 rig.  It is crystal controlled and appears
to be true FM, it looks like a varactor modulator in the 20.5 MHZ oscillator.
I think I should be able to inject the transmit audio from the modem here.

As far as receive audio for the modem it looks like I can pick that up at
pin 12 of the CA3075.

I'd be interested in hearing from anyone who is using one of these radios
at 9600 baud and what they had to do to get it to work.  I'd also be interest
in hearing from anyone with a schematic that could verify what I said above.

Thanks for your help.
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73 - WA8ZGO - John

Date: 4 Feb 93 14:27:32 GMT
From: news-mail-gateway@ucsd.edu
Subject: packet <-> Internet gateways ?
To: packet-radio@ucsd.edu

Does anyone out there have any info on the above.
Are there already such gateways anywhere?
Are there any in the UK?
Are they 'legal'?
I ask because I am told there are non in the Sheffield area (UK)
   where I live, and I'd like one.
Is there a reason that there isn't one near me?
If not could I set one up, and if so what would it entail?

You get the idea. Plenty of questions there.
Any and all info gratefully received.
JJ

:: Jon Jagger J.R.Jagger@shu.ac.uk
:: Sheffield Hallam University, Pond Sreet, SHEFFIELD S1 1WB
:: Tel 0742 533802/432889 (work/home) Fax 0743 533840
:: Newspaper ad: Men wanted for expanding contracting company!

Date: Thu, 04 Feb 93 08:36:59 GMT
From: swrinde!gatech!darwin.sura.net!sgiblab!wattres!steve@network.UCSD.EDU
Subject: Packet FAQ maintainer wants _your_ help...
To: packet-radio@ucsd.edu

Greetings, all! I'm the person who's maintaining the FAQ for this group,
and wanted to ask the net at large (very large) a question: What would
you like to see in the next revision of the FAQ?

I've heard several suggestions of lists of places where software can be
gotten for various platforms, but I'd prefer to just provide pointers to
those lists, if that's possible, to minimize the amount of non-general
information in the FAQ.

I have seen the Mac software list, and have asked the author to make it
available via FTP, or repost regularly, so that that resource would be
available to the 'net.

However, I would also like to see a list of PC programs and places, and
maybe also Amigas or Unix systems or TOPS-10 :) systems... you get the
idea. Does anyone have (or know of directly) such lists that they think
would be interesting to the 'net, or at least some portion of it, if it
were to be pointed to on a regular (monthly) basis?

While I'm at it, I'd also like to thank those people who have been
submitting changes to the FAQ, and invite anyone who wants to be on the
editorial mailing list to send a note saying so to
packet-faq-request@wattres.sj.ca.us. N.B.: That address is a human (me,
via root's mailbox), and I will get around to it as soon as I can. I will
reply to all who I add.

People who are currently on that list are:

```
steve@wattres.sj.ca.us      Steve Watt KD6GGD       San Jose, CA, USA
ikluft@uts.amdahl.com       Ian Kluft KD6EUI        San Jose, CA, USA
nomad@ecst.csuchico.edu     Mike Larish KD6CTZ      Chico, CA, USA
payne@unomaha.edu           Matt Payne              Omaha, NE, USA
steve@matt.ksu.ksu.edu      Steve Schallehn KB0AGD  Manhattan, KS, USA
pschleck@unomaha.edu        Paul Schleck KD3FU      Omaha, NE, USA
cas30@uts.amdahl.com        Chris Swartout N6WCP    San Jose, CA, USA
winter@apple.com            Patty Winter N6BIS      Sunnyvale, CA, USA
```

(Yes, folks, I haven't forgot about the list, just soliciting input from
the public.)

If you have any _specific_ editorial-type items, do send those to
packet-faq@wattres.sj.ca.us.

73 to all.

Steve
--
Steve Watt KD6GGD   Packet: KD6GGD @ N0ARY.#NOCAL.CA.USA.NA
ICBM: 121W 56' 53.1" / 37N 20' 16.7"   Internet: steve@wattres.SJ.CA.US
Left to his own devices, he'd be /dev/null. ..!{apple,mips,decwrl!gigo}!wattres

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Date: Fri, 5 Feb 1993 11:22:57 GMT
From: munnari.oz.au!metro!extro.ucc.su.OZ.AU!terryd@network.UCSD.EDU
Subject: TCP nastygrams?
To: packet-radio@ucsd.edu

eeyimkn@unicorn.nott.ac.uk (M. Knell) writes:

>Anybody know of a way to persuade WNOS (or anything similiar) to send a
>nastygram (i.e. an IP frame with all attributes set, SYN/ACK/FIN/PSH, carrying
>one octet of data)?. I'm doing various tests on my system and want to see if it
>can handle such protocol abuse!

>(The above are also known as Christmas tree or kamikaze packets)

I've not tried it .. but the only way that comes to mind is to use the
'comm' command, and construct a frame of your choice manually .. I'm not
sure if the character escape mechanism will extend to the task you would
be asking of it, it is designed to cope only with text .. but it might not
take a great deal to modify the code to do so .. by the same token,
it might be just as easy to write a quick'n'dirty program in something
else or other to generate kiss frames with the appropriate 'nastygram'
inside ..

Terry

--
Terry Dawson, terryd@extro.ucc.su.OZ.AU, vk2ktj@gw.vk2ktj.ampr.org
+61 2 925 1556 (voice), +61 2 922 5973 (fax).   __*/__ 0^Ooooo _

Date: 5 Feb 93 21:04:28 GMT
From: ogicse!uwm.edu!cs.utexas.edu!geraldo.cc.utexas.edu!ccwf.cc.utexas.edu!
yono@network.UCSD.EDU
Subject: TM732a for PACSAT Ops
To: packet-radio@ucsd.edu

Hi, I want to start playing with PACSAT (UO-22 / KO-23)
and I want to know whether I can use Kenwood TM-732a as the radio
(sensitivity, how difficult to inject and pick the 9600bps signal
 full duplex capability, etc).

Thanks

73 de Paulus N5SNN / YG1QN

Date: 5 Feb 1993 23:15:18 +0800
From: usc!howland.reston.ans.net!bogus.sura.net!darwin.sura.net!sgiblab!
munnari.oz.au!uniwa!uniwa!nfm@network.UCSD.EDU
Subject: Where is PacketTracker??
To: packet-radio@ucsd.edu

Hi There!

A couple of weeks ago someone posted an artcile regarding a package
called "PacketTracker" which is some kind of Packet Radio Monitoring
program for the Macintosh. Unfortunately I have "lost" the article
and can't locate the software using archie. Any clues???

Regards,

Gazza

Gary Carroll: Consulting and Programming Services   Phone: (09) 380 3203
             Winthrop Technology   Fax : (09) 382 1688
             University of Western Australia   gary@uniwa.uwa.edu.au
             Nedlands 6009 AUSTRALIA   Packet Radio: VK6XQ@VK6KS

Date: 4 Feb 93 16:23:53 GMT
From: news-mail-gateway@ucsd.edu
Subject: Windows and LAN-LINK 2.0
To: packet-radio@ucsd.edu

>A week ago I upgraded to a 386 which has Windows and I am somewhat
>befuddled over the multitasking aspect. I have Lan-link working as a
>non-Windows application and can run it ok as a single task but I do
>not seem to be able to properly set up the computer/Windows for
>multi-tasking to simultaneously run Lan-Link 2.00 in the foreground
>and a long print job on my Wordperfect 5.1 in the background.

Which window did you open first. Lan-link may intialize the printer
port when it starts? Both programs may allocate the printer port.
Does it make any difference which way you do it?
73 Joe G3ZCZ@AMSAT.ORG

Date: 5 Feb 93 14:14:52 GMT
From: news-mail-gateway@ucsd.edu
Subject: Windows and LAN-LINK 2.0
To: packet-radio@ucsd.edu

>A week ago I upgraded to a 386 which has Windows and I am somewhat
>befuddled over the multitasking aspect. I have Lan-link working as a
>non-Windows application and can run it ok as a single task but I do
>not seem to be able to properly set up the computer/Windows for
>multi-tasking to simultaneously run Lan-Link 2.00 in the foreground

>and a long print job on my Wordperfect 5.1 in the background.

Which window did you open first. Lan-link may intialize the printer
port when it starts? Both programs may allocate the printer port.
Does it make any difference which way you do it?
73 Joe G3ZCZ@AMSAT.ORG

End of Packet-Radio Digest V93 #34
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